AUTHOR INDEX

Beitchman, J., Automated testing techniques for high volume production of infrared artillery fuzes (Cancelled), 135
Birtley, W. B., Proposed figures of merit for staring focal planes, 43
———, Radiometric test chamber for earth-looking sensors, 53
Bleicher, Irving, Handheld thermal imagers using signal processing in the element (SPRITE) detectors, 78
Buck, Arnold, Wide dynamic range forward looking infrared set (WDRF), 89
Cantella, M. J., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Carmichael, George W., Issues in calibrating infrared seekers at low energy levels, 34
Chandler, Charles, Automatic test system for infrared detector and charge-coupled device (CCD) multiplexer control and data acquisition, 26
Cussen, Arthur J., Overview of blackbody radiation sources, 2
Deibel, Paul V., Production oriented laser testing: a fully automatic optical test system, 57
Elabd, H., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Erhardt, H. G., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Flanagan, M. J., Advanced signal processing for passive infrared remote sensing, 116
Frantz, V. L., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Groppe, J. V., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Jones, David A., Automatic testing of infrared detector arrays, 16
Kale, B. M., Applications of infrared transmitting glasses in electro-optic systems, 98
King, W., System optical quality (Cancelled), 135
Klein, J., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Klocek, Paul, Applications of infrared transmitting glasses in electro-optic systems, 98
Kosonocky, W. F., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Lang, K. T., Automatic detector test station for linear arrays (Cancelled), 135
MacLennan, D. J., High resolution infrared imager utilizing InSb CID technology (Cancelled), 135
Meray, G. M., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Merchant, John, Interframe image processing, 110
Miller, R., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Moore, Kevin G., Production oriented laser testing: a fully automatic optical test system, 57
Nash, S. L., Production testing of electro-optical systems, 49
Nicodemus, Fred E., National Bureau of Standards (NBS) self-study manual on optical radiation measurements, 127
Orbach, Zvi, Video rate hardware for image histogram modification, 106
Panda, D. P., Advanced signal processing for passive infrared remote sensing, 116
Reaves, D., High resolution infrared imager utilizing InSb CID technology (Cancelled), 135
Roberts, N., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Shallcross, F. V., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Spiro, I. J., Astronomy units and nomenclature for engineers and physicists, 60
Sundeen, G. E., Near ambient radiation sources as applied to thermal imaging systems, 122
Taft, E. A., High resolution infrared imager utilizing InSb CID technology (Cancelled), 135
Treese, K. D., Automatic cryoprobe test set for common module detectors (Cancelled), 135
Villani, T. S., Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Vogelsong, T. L., High resolution infrared imager utilizing InSb CID technology (Cancelled), 135
Wang, S., High resolution infrared imager utilizing InSb CID technology (Cancelled), 135
Wei, C-Y., High resolution infrared imager utilizing InSb CID technology (Cancelled), 135
Woodbury, H. H., High resolution infrared imager utilizing InSb CID technology (Cancelled), 135

SUBJECT INDEX

Advanced signal processing for passive infrared remote sensing, 116
Ambient radiation sources as applied to thermal imaging systems, near, 122
Applications of infrared transmitting glasses in electro-optic systems, 98
Array, design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane, 66
Arrays, automatic testing of infrared detector, 16
Astronomy units and nomenclature for engineers and physicists, 60
Automated testing techniques for high volume production of infrared artillery fuzes (Cancelled), 135
Automatic cryoprobe test set for common module detectors (Cancelled), 135
Automatic detector test station for linear arrays (Cancelled), 135
Automatic test system for infrared detector and charge-coupled device (CCD) multiplexer control and data acquisition, 26
Automatic testing of infrared detector arrays, 16

Blackbody radiation sources, overview of, 2

Calibrating infrared seekers at low energy levels, issues in, 34
Charge-coupled device (IRCCD) focal plane array, design and performance of 64 × 128 element PtSi Schottky-barrier infrared, 66
Charge-coupled device (CCD) multiplexer control and data acquisition, automatic test system for infrared detector and, 26

Data acquisition, automatic test system for infrared detector and charge-coupled device (CCD) multiplexer control and, 26
Design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, 66
Detector arrays, automatic testing of infrared, 16
Detector and charge-coupled device (CCD) multiplexer control and data acquisition, automatic test system for infrared, 26
Detectors, handheld thermal imagers using signal processing in the element (SPRITE), 78
Dynamic range forward looking infrared set (WDRF), wide, 89

Earth-looking sensors, radiometric test chamber for, 53
Electro-optic systems, applications of infrared transmitting glasses in, 98
Electro-optical systems, production testing of, 49

Focal plane array, design and performance of 64 × 128 element PtSi Schottky-barrier infrared charge-coupled device (IRCCD), 66
Focal planes, proposed figures of merit for staring, 43
Forward looking infrared set (WDRF), wide dynamic range, 89

Glasses in electro-optic systems, applications of infrared transmitting, 98

Handheld thermal imagers using signal processing in the element (SPRITE) detectors, 78
Hardware for image histogram modification, video rate, 106
High resolution infrared imager utilizing InSb CID technology (Cancelled)
Histogram modification, video rate hardware for image, 106

Image histogram modification, video rate hardware for, 106
Image processing, interframe, 110
Imagers using signal processing in the element (SPRITE) detectors, handheld thermal, 78
Imaging systems, near ambient radiation sources as applied to thermal, 122
Infrared charge-coupled device (IRCCD) focal plane array, design and performance of 64 × 128 element PtSi Schottky-barrier, 66
Infrared detector arrays, automatic testing of, 16
Infrared detector and charge-coupled device (CCD) multiplexer control and data acquisition, automatic test system for, 26
Infrared remote sensing, advanced signal processing for passive, 116
Infrared set (WDRF), wide dynamic range forward looking, 89
Infrared transmitting glasses in electro-optic systems, applications of, 98
Interframe image processing, 110
Issues in calibrating infrared seekers at low energy levels, 34

Laser testing: a fully automatic optical test system, production oriented, 57
Low energy levels, issues in calibrating infrared seekers at, 34

Multiplexer control and data acquisition, automatic test system for infrared detector and charge-coupled device (CCD), 26

National Bureau of Standards (NBS) self-study manual on optical radiation measurements, 127
Near ambient radiation sources as applied to thermal imaging systems, 122

Optical radiation measurements, National Bureau of Standards (NBS) self-study manual on, 127
Optical test system, production oriented laser testing: a fully automatic, 57
Overview of blackbody radiation sources, 2

PtSi Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, design and performance of 64 × 128 element, 66
Passive infrared remote sensing, advanced signal processing for, 116
Production oriented laser testing: a fully automatic optical test system, 57
Production testing of electro-optical systems, 49
Proposed figures of merit for staring focal planes, 43

Radiation measurements, National Bureau of Standards (NBS) self-study manual on optical, 127
Radiation sources as applied to thermal imaging systems, near ambient, 122
Radiation sources, overview of blackbody, 2
Radiometric test chamber for earth-looking sensors, 53
Remote sensing, advanced signal processing for passive infrared, 116

Schottky-barrier infrared charge-coupled device (IRCCD) focal plane array, design and performance of 64 × 128 element PtSi, 66
Seekers at low energy levels, issues in calibrating infrared, 34
Sensors, radiometric test chamber for earth-looking, 53
Signal processing in the element (SPRITE) detectors, handheld thermal imagers using, 78
Signal processing for passive infrared remote sensing, advanced, 116
(SPRITE) detectors, handheld thermal imagers using signal processing in the elements, 78
Staring focal planes, proposed figures of merit for, 43
System optical quality (Cancelled), 135

Test chamber for earth-looking sensors, radiometric, 53
Test system for infrared detector and charge-coupled device (CCD) multiplexer control and data acquisition, automatic, 26
Test system, production oriented laser testing: a fully automatic optical, 57
Testing of electro-optical systems, production, 49
Thermal imagers using signal processing in the element (SPRITE) detectors, handheld, 78
Thermal imaging systems, near ambient radiation sources as applied to, 122

Video rate hardware for image histogram modification, 106

Wide dynamic range forward looking infrared set (WDRF), 89